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WHAT IS CLAIMED IS:

1. A method for treating a silicon substrate, comprising:

placing the silicon substrate into a sputtering equipment unit;

performing a sputtering step to simultaneously dry clean and amorphize the silicon substrate surface by first using the sputtering equipment unit; and

depositing a titanium film on the silicon substrate by second using the sputtering equipment unit.

- 2. The method of claim 1, wherein the titanium film is deposited at about 540°C.
- 3. The method of claim 1, wherein the sputtering equipment unit is an ionized metal plasma (IMP) equipment unit.
 - 4. A method for treating a silicon substrate having a surface, comprising:

providing a pre-processing chamber, wherein the pre-processing chamber has first and second power supplies for sputtering argon therein, wherein the first power supply can provide the argon with a first bias, and the second power supply can provide the silicon substrate with a second bias;

placing the silicon substrate into the pre-processing chamber;

providing the first bias to the argon;

providing the second bias to the silicon substrate; and

modifying the first bias and the second bias to sputter the argon to simultaneously dry clean and amorphize the substrate surface.

- 5. The method of claim 4, wherein the first bias is about 250W to about 450W.
- 6. The method of claim 4, wherein the second bias is about 150W to about 300W.
- 7. The method of claim 4, wherein the pre-processing chamber is a chamber in an ionized metal plasma (IMP) equipment unit.

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- 8. The method of claim 4, further comprising the step of depositing a metal film on the substrate after the substrate surface is amorphized.
- 9. The method of claim 8, wherein the metal film is deposited in the preprocessing chamber.
 - 10. The method of claim 8, wherein the metal film is made of titanium (Ti).
 - 11. The method of claim 3, wherein the metal film is made of cobalt (Co).
- 12. The method of claim 10, wherein the metal film is deposited by TiCl₁-based CVD.